**Supplementary Table and Figure**

Table S1. Quantification information for GC-QTOF-MS analysis

| Peak No. | RT | Compound | Quantify ion | Regression equation | R2 |
|---|---|---|---|---|---|
| 1 | 14.80 | 4-octanol (IS) | 55.0521 | | |
| 2 | 2.18 | ethyl acetate | 70.0393 | y=0.046588*x | 0.9560 |
| 3 | 4.99 | methyl isovalerate | 74.0342 | y=0.5615*x | 0.9819 |
| 4 | 5.76 | hexanal | 56.0607 | y=0.1836*x | 0.9939 |
| 5 | 7.89 | ethyl 2-methylbutanoate | 102.0655 | y=1.1273*x | 0.9857 |
| 6 | 7.90 | E-2-hexenal | 98.0710 | y=0.0659*x^2+0.0067*x | 0.9898 |
| 7 | 16.85 | eucalyptol | 81.0682 | y=0.8529*x | 0.9974 |
| 8 | 20.41 | linalool | 93.0671 | y=1.0808*x | 0.9959 |
| 9 | 24.76 | α-terpineol | 93.0671 | y=0.7229*x | 0.9858 |
| 10 | 32.40 | eugenol | 164.0805 | y=0.0485*x^2+0.0634*x | 0.9974 |

$x = A_{st}/A_{is} - A_{matrix}/A_{is\ in\ matrix}$ and $y = C_{st}/C_{is}$ with $A_{st}$ = area of standard, $A_{is}$ = areas of internal standard, $A_{matrix}$ = area peak in matrix, $A_{is\ in\ matrix}$ = areas of internal standard in matrix, $C_{st}$ = concentration of standard, and $C_{is}$ = concentration of internal standard. 4-Octanol was used as internal standard.

Table S2. Odor threshold and description of volatile compounds

| Compound | Odor threshold | Odor description |
|---|---|---|
| ethyl acetate | 5000 | Ethereal, fruity-grape, sweet, rum-like |
| methyl isovalerate | 4.4 | Apple, fruity, pineapple |
| hexanal | 0.1 | Fresh, green, fatty, aldehydic, sweaty |
| ethyl 2-methylbutanoate | 4.5 | Cooked apple, apricot, orange, grapefruit |
| E-2-hexenal | 17 | Fresh, green |
| eucalyptol | 1.3 | Light Camphor alike odor |
| linalool | 86 | Fresh, floral-woody, sweet, citrus |
| α-terpineol | 6 | Floral lilac smell |
| eugenol | 0.71 | Sweet, spicy-clove, woody, dry, with phenolic, cinnamon and allspice nuances |

The odor thresholds (μg/L in water) were obtained from literature: van Gemert, L.J. Odour thresholds. Compilations of odour threshold values in air, water and other media.; Oliemans, Punter & Partners BV: Utrecht, The Netherlands, 2011.

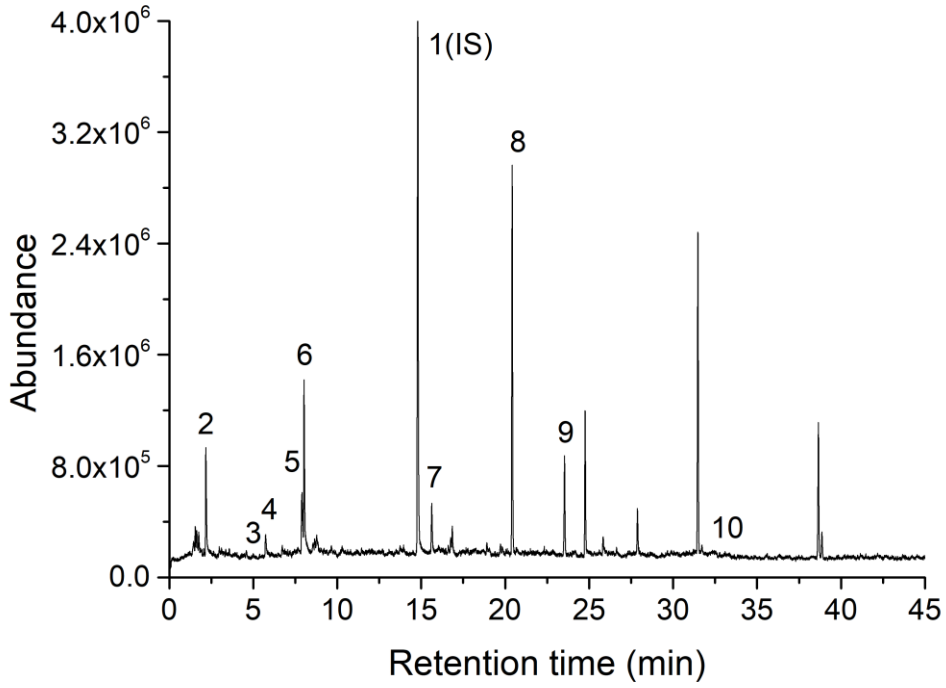


Figure S1. A representative chromatograph of 'Garden blue' blueberry volatiles detected by SPME-GC-QTOF-MS. The peak number is corresponding to the compound list in Table S1.